

## **DRAFT Intercontinental Terminals Company (ITC) Fire**

### **Water**

EPA conducted surface water sampling on April 19, 2019 at 8 sample locations. The surface water samples were collected along Buffalo Bayou and the San Jacinto River and will be analyzed for per- and polyfluoroalkyl substances (PFAS), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), chemical oxygen demand (COD), and oil & grease. The results from the sampling event were compared to the TCEQ Surface Water Quality Standards (WQS), or to TCEQ Texas Risk Reduction Program surface water protective concentration levels (PCLs), if a WQS was not available for a chemical. On March 21, 2019, the surface water sample collected at the confluence of Tucker Bayou and Buffalo Bayou (BB-02) exceeded the PCL for oil and grease, and the WQS for naphthalene, benzene and total xylenes. On March 25, 2019, the surface water sample collected on Buffalo Bayou at the Battleship Texas (BB-05) exceeded the PCL for oil and grease. On March 30, 2019, the surface water sample collected at BB-02 exceeded the WQS for 1,2,4-trichlorobenzene. On April 2, 2019, the surface water sample collected at BB-05 exceeded the WQS for 2-methylnaphthalene and phenanthrene. No other exceedances have been observed.

### **Air Monitoring**

EPA conducted handheld air monitoring on April 19, 2019, from 00:00 to 23:59 at 73 locations in the surrounding communities. Results were reported above the detection limit at three locations for total volatile organic compounds (VOCs) and one location for benzene. EPA will continue to conduct additional air monitoring and deploy the Trace Atmospheric Gas Analyzer (TAGA) if VOCs or benzene continue to be detected.

### **ASPECT**

The Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft found no exceedances of the Texas comparison values on April 19, 2019 during flight 27. ASPECT has conducted a screening level assessment to evaluate the unreported or undetected releases of hazardous materials or contaminants at the Intercontinental Terminal Company (ITC) in Deer Park, Texas. The screening level results from ASPECT were compared to the ASPECT list of Texas Commission on Environmental Quality (TCEQ) short-term Air Monitoring Comparison Values (AMCVs). No chemicals were detected by the ASPECT. Following this flight, the ASPECT aircraft demobilized and is not expected to fly again for this incident.

### **TAGA**

EPA conducted air sampling using the Trace Atmospheric Gas Analyzer (TAGA) on April 19, 2019. The TAGA analyzed the air samples for benzene, toluene and xylene. The TAGA air sampling results were compared to the TCEQ short-term AMCVs and found exceedances of the short-term AMCVs for benzene at the ITC facility. These results have been shared with unified command and local officials.